

## ECS Configuration Change Request

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Page(s)

<b>1. Originator</b> Darryl Washington	<b>2. Log Date:</b> 7/23/02	<b>3. CCR #:</b> 02-0613	<b>4. Rev:</b> —	<b>5. Tel:</b> x0734	<b>6. Rm #:</b> 2079	<b>7. Dept.</b> SE
<b>8. CCR Title:</b> Deliver new amassbackup utility for AMASS 5.2.1						
<b>9. Originator Signature/Date</b> Darryl Washington /s/ 7/23/02			<b>10. Class</b> II	<b>11. Type:</b> CCR	<b>12. Need Date:</b> 07/24/02	
<b>13. Office Manager Signature/Date</b> Carolyn Whitaker /s/ 7/23/02			<b>14. Category of Change:</b> Other		<b>15. Priority:</b> (If "Emergency" fill in Block 27). Routine	
<b>16. Documentation/Drawings Impacted:</b> None			<b>17. Schedule Impact:</b> NONE		<b>18. CI(s) Affected:</b>	
<b>19. Release Affected by this Change:</b> 6A		<b>20. Date due to Customer:</b>		<b>21. Estimated Cost:</b> None - Under 100K		
<b>22. Source Reference:</b> <input checked="" type="checkbox"/> NCR (attach) <input type="checkbox"/> Action Item <input type="checkbox"/> Tech Ref. <input type="checkbox"/> GSFC <input type="checkbox"/> Other: ECSed 34588						
<b>23. Problem: (use additional Sheets if necessary)</b> A problem has been discovered with the AMASS utility "amassbackup" at EDC. The AMASS host (e0drg11) hung on different occasions while performing AMASS backups. The backup utility was diagnosed as requesting a "lock" on the AMASS database while scanning for inconsistencies in the database (sysdbcheck). Conflicts are occurring with internal AMASS daemons trying to utilize the database, causes the application to get confused and hangs. ADIC has diagnosed the problem as "Libsched hangs waiting for the database and amassbackup hangs waiting for a signal. A race condition exists that occurred sometimes, but not always. To fix this problem, in a						
<b>24. Proposed Solution: (use additional sheets if necessary)</b> ADIC has rewritten the amassbackup executable to fix the problem described earlier. This executable has been test and approved in the PVC, and should be delivered to the DAACs. The delivery will be made as a COTS Test Executable. The amassbackup file is located on lemmings /data0/CM_INBOX, along with the instructions (README_amassbackup.doc) The filename is: amassbackup_5.2.1_new cksum: 4047134801 4654540 750920412 20480 README_amassbackup.doc						
<b>25. Alternate Solution: (use additional sheets if necessary)</b>						
<b>26. Consequences if Change(s) are not approved: (use additional sheets if necessary)</b> The problem is intermittent, and could cause severe amounts of downtime.						
<b>27. Justification for Emergency (If Block 15 is "Emergency"):</b>						
<b>28. Site(s) Affected:</b> <input type="checkbox"/> EDF <input type="checkbox"/> PVC <input checked="" type="checkbox"/> VATC <input checked="" type="checkbox"/> EDC <input checked="" type="checkbox"/> GSFC <input checked="" type="checkbox"/> LaRC <input checked="" type="checkbox"/> NSIDC <input type="checkbox"/> SMC <input type="checkbox"/> AK <input type="checkbox"/> JPL <input type="checkbox"/> EOC <input type="checkbox"/> IDG Test Cell <input type="checkbox"/> Other						
<b>29. Board Comments:</b>			<b>30. Work Assigned To:</b>		<b>31. CCR Closed Date:</b>	
<b>32. EDF/SCDV CCB Chair (Sign/Date):</b> Byron V. Peters /s/ 7/24/02			<b>Disposition:</b> <span style="border: 1px solid red; padding: 2px;">Approved</span> App/Com. Disapproved Withdraw Fwd/ESDIS ERB			
<b>33. M&amp;O CCB Chair (Sign/Date):</b> G. G. Gavigan, Jr. /s/ 7/24/02			<b>Disposition:</b> <span style="border: 1px solid red; padding: 2px;">Approved</span> App/Com. Disapproved Withdraw Fwd/ESDIS Fwd/ECS			
<b>34. ECS CCB Chair (Sign/Date):</b>			<b>Disposition:</b> Approved App/Com. Disapproved Withdraw Fwd/ESDIS Fwd/ESDIS			

# ADDITIONAL SHEET

**CCR #:** 02-0613      **Rev:** — **Originator:** Darryl Washington

**Telephone:** x0734      **Office:** 2079

**Title of Change:** Deliver new amassbackup utility for AMASS 5.2.1

The new amassbackup has been installed and tested in the PVC. EDC's backup schedule was simulated to test the backup utility in the PVC. This file will be delivered as a COTS Test Executable as a Storage Management drop. The instructions are located in README\_amassbackup.

The following is a excerpt of the readme file:

Instructions for Replacing AMASS 5.2.1 Backup Executable

Preface

The file is to replace the AMASS 5.2.1 "amassbackup" executable at all DAAC sites. This file is to replace the utility for version 5.2.1 only. Do not use this executable for any other AMASS version.

Introduction

This procedure can be performed while the system is operational. There is no requirement to stop the AMASS application. However, it must be done while amassbackup is idle.

Instructions

The procedure to replace the amassbackup executable is as follows:

1. Login as superuser (root).  
#su - <enter>
2. Change directory to the /usr/amass/bin  
#cd /usr/amass/bin <enter>
3. Make a copy of the original amassbackup.  
#cp amassbackup amassbackup.orig <enter>
4. Copy the new amassbackup file into /usr/amass/bin  
#cp amassbackup\_5.2.1\_new /usr/amass/bin/amassbackup <enter>

The AMASS application should be using this executable upon the completion of the previous steps. You may execute a manual backup to verify the installation.

In the /usr/amass/bin directory, run:

#./amassbackup -v <enter>      (partial AMASS backup)

Verify the backup completed successfully in the /var/adm/SYSLOG.

If the amassbackup test has successfully executed, the installation is complete. If there are any problems in the procedure, or the executable, please call:

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